



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and
Scott Siegel

Application No.: 09/897,724 Group Art Unit: 1642
Filed: July 2, 2001 Examiner: Not Assigned
Title: ANTI-TNF ANTIBODIES AND PEPTIDES OF HUMAN TUMOR
NECROSIS FACTOR

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CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202	
on <u>13 Sept. 2002</u>	<u>Linda M. Amato</u>
Date	Signature
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Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
P.O. Box 2327
Arlington, VA 22202

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☒ Copies of the cited references are enclosed.
- ☐ Copies of cited references are enclosed except those entered in prior applications, U.S. Application No. _____, to which priority under 35 U.S.C. 120 is claimed. The earlier applications contains copies of the cited references.
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☐ The "concise explanation" requirement (non-English references) for reference(s) [] under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
 - ☐ the explanation provided in the Specification.
 - ☐ submission of the enclosed International Search Report.
 - ☐ the enclosed English language abstract.

- ☒ Applicant requests that the following pending applications be considered:

Examiner's
Initials

U.S. Patent Application No. 09/756,398, by Junming Le, Jan Vilcek, Peter Daddona, John Ghayeb, David M. Knight and Scott Siegel, filed January 8, 2001, Docket No.: 0975.1005-006

U.S. Patent Application No. 09/756,301, by Junming Le, Jan Vilcek, Peter Daddona, John Ghayeb, David M. Knight and Scott Siegel, filed January 8, 2001, Docket No.: 0975.1005-008

U.S. Patent Application No. 09/766,535, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 18, 2001, Docket No.: 0975.1005-010

U.S. Patent Application No. 09/927,703, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed August 10, 2001, Docket No.: 0975.1005-013

U.S. Patent Application No. 10/010,229, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed December 7, 2001 Docket No.: 0975.1005-014

U.S. Patent Application No. 10/043,450, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 0975.1005-015

U.S. Patent Application No. 10/044,534, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 0975.1005-016

U.S. Patent Application No. 10/043,432, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 0975.1005-017

U.S. Patent Application No. 10/043,436, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 0975.1005-018

U.S. Patent Application No. 10/176,460, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed June 20, 2002, Docket No.: 0975.1005-019

U.S. Patent Application No. 10/187,121, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed June 28, 2002, Docket No.: 0975.1005-020

U.S. Patent Application No. 10/186,559, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed June 28, 2002, Docket No.: 0975.1005-021

U.S. Patent Application No. 10/198,845, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed July 18, 2002, Docket No.: 0975.1005-022

U.S. Patent Application No. 10/200,795, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed July 22, 2002, Docket No.: 0975.1005-023

U.S. Patent Application No. 10/208,145, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed July 29, 2002, Docket No.: 0975.1005-024

Examiner

Date

- ☒ [X] The specification for the above cited co-pending applications is identical to the present specification (09/897,724). Therefore, only a copy of the current claims for each application is enclosed. Copies of the specifications of the co-pending applications will be provided upon request.
- ☐ [] A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ [] A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ [] Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.
- ☒ [X] Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

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PTO:1449 REPRODUCED		ATTORNEY DOCKET NO. 0975.1005-012		APPLICATION NO. 09/897,724			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION September 13, 2002 (Use several sheets if necessary)		APPLICANT Junming Le et al.					
		FILING DATE July 2, 2001		GROUP 1642			
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA	4,603,106	07/29/86	Cerami et al.			
	AB	4,822,776	04/18/89	Cerami et al.			
	AC	5,658,570	08/19/97	Newman et al.			
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	AF	5,223,395	06/29/93	Gero			
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	AH	5,654,407	08/05/97	Boyle et al.			
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	AJ	5,730,975	03/24/98	Hotamisligil et al.			
	AK	5,741,488	04/21/98	Feldman et al.			
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	AR	Beutler, B. et al., "Identity of tumour necrosis factor and the macrophage-secreted factor cachectin," <i>Nature</i> , 316:552-554 (1985).					
	AS	Beutler, B. et al., "Passive Immunization Against Cachectin/Tumor Necrosis Factor Protects Mice from Lethal Effect of Endotoxin," <i>Science</i> , 229:869-871 (1985).					
	AT	Morrison, Sherie L., "Transfectomas Provide Novel Chimeric Antibodies," <i>Science</i> , 229:1202-1207 (1985).					
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ATTORNEY DOCKET NO.
0975.1005-012APPLICATION NO.
09/897,754INFORMATION DISCLOSURE CITATION
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September 13, 2002

(Use several sheets if necessary)

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Junming Le et al.FILING DATE
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	AB2	6,015,558	01/18/00	Hotamisligil et al.			
	AC2	6,172,202 B1	01/09/01	Marcucci et al.			
	AD2	6,194,451 B1	02/27/01	Alpegiani et al.			

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	AQ	0 398 327 B1	22 NOV 90	EPO			
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	AM2	0 433 900 B1	26 JUN 91	EPO			
	AN2	0 526 905 A2	10 FEB 93	EPO			
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AU	Liang, Chi-Ming et al., "Production and Characterization of Monoclonal Antibodies Against Recombinant Human Tumor Necrosis Factor/Cachectin," <i>Biochem. & Biophys. Res. Comm.</i> , 137(2):847-854 (1986).
AV	Hirai, Makoto et al., "Production and characterization of monoclonal antibodies to human tumor necrosis factor," <i>J. of Immun. Methods</i> , 96:57-62 (1987).
AW	Piguet, Pierre-Francois et al., "Tumor Necrosis Factor/Cachectin is an Effector of Skin and Gut Lesions of the Acute Phase of Graft-vs.-Host Disease," <i>J. Exp. Med.</i> , 166:1280-1289 (1987).
AX	Meager, Anthony et al., "Preparation and Characterization of Monoclonal Antibodies Directed Against Antigenic Determinants of Recombinant Human Tumour Necrosis Factor (rTNF)," <i>Hybridoma</i> , 6(3):305-311 (1987).
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AQ2	WO 92/13095	06 AUG 92	PCT			
AL3	0 260 610 B1	23 MAR 88	EPO			
AM3	91/09967	11 JUL 91	PCT			
AN3	0 351 789 B1	24 JAN 90	EPO			
AO3	0 350 690 A2	17 JAN 90	EPO			
AP3	90/00902	08 FEB 90	PCT			
AQ3	WO 92/11383	09 JUL 92	PCT			
AL4	WO 93/02108	04 FEB 93	PCT			
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AV2	Collins, M.S. et al., "Immunoprophylaxis of Polymicrobial Cellulitis with a Human Monoclonal Antibody Against Lipopolysaccharide Antigen of <i>Pseudomonas aeruginosa</i> ," Abstract E-63, <i>Abstracts of Annual Meeting 1989</i> .

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0975.1005-012APPLICATION NO.
09/897,720INFORMATION DISCLOSURE CITATION
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Junming Le et al.

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AN4	WO 91/09967	11 JUL 91	PCT			
AO4	0 486 526 B2	07 MAR 01	EPO			
AP4	PCT/US92/02190	10 JUN 92	PCT			
AQ4	0 288 088 B1	26 OCT 88	EPO			
AL5	0 453 898 A2	30 OCT 91	EPO			X
AM5	0 585 705 A1	09 MAR 94	EPO			
AN5	0 614 984 A2	14 SEP 94	EPO			
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AP5	WO 89/08460	21 SEP 89	PCT			
AQ5	WO 90/01950	08 MAR 90	PCT			

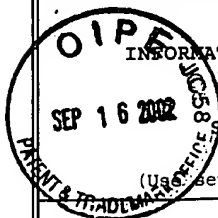
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AX2	Cross, A.S. et al., "Pretreatment with Recombinant Murine Tumor Necrosis Factor α /Cachectin and Murine Interleukin 1 α Protects Mice from Lethal Bacterial Infection," <i>J of Exp Med.</i> , 169:2021-2027 (1989).
AY2	Engelmann, Hartmut et al., "A Tumor Necrosis Factor-binding Protein Purified to Homogeneity from Human Urine Protects Cells from Tumor Necrosis Factor Toxicity," <i>J. of Bio. Chem.</i> , 264(20):11974-11980 (1989).

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL6 WO 91/04054	04 APR 91	PCT			
	AM6 WO 92/01472	06 FEB 92	PCT			
	AN6 WO 93/11236	10 JUN 93	PCT			
	AO6 WO 94/08609	28 APR 94	PCT			
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AT3	Herve, P. et al., "Monoclonal Anti TNF α Antibody for the Treatment of Severe Acute GvHD in Humans," Abstract 3.25, <i>Lymphoma Res.</i> 9:591 (1990).
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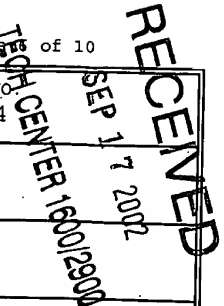
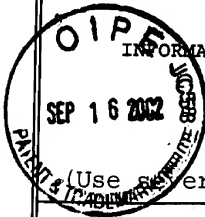
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AT4	Loetscher, Hansruedi et al., "Molecular Cloning and Expression of the Human 55 kd Tumor Necrosis Factor Receptor," <i>Cell</i> , 61:351-359 (1990).
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AX4	Möller, Achim et al., "Monoclonal Antibodies to Human Tumor Necrosis Factor α : In Vitro and In Vivo Application," <i>Cytokine</i> , 2(3):162-169 (1990).
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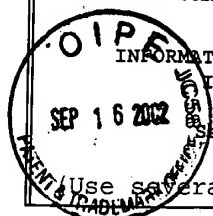
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PTO-1475 REPRODUCED		ATTORNEY DOCKET NO. 0975.1005-012	APPLICATION NO. 09/897,724
INFORMATION DISCLOSURE CITATION IN AN APPLICATION SEP 16 2002 SEPTEMBER 13, 2002		APPLICANT Junming Le et al.	
PTO-1475 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION SEP 16 2002 SEPTEMBER 13, 2002		FILING DATE July 2, 2001	GROUP 1642
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
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